**Basic Linux commands used in Hadoop**

* **ls ⇒ directory listing**
* **ls -al ⇒ formatted listing with hidden files**
* **cd dir ⇒ change directory to dir**

**cd ⇒ change to home**

* + **cd /**
  + **cd ~**
  + **cd..**
  + **cd -**
* **pwd ⇒ shows current directory**
* **df ⇒ disk filesystem**
* **df -h⇒ disk filesystem space**
* **mkdir dir ⇒ create a directory dir**
* **rm file ⇒ delete the file**
  + **rm -r dir ⇒ delete directory dir**
  + **rm -f file ⇒ force remove the file**
  + **rm -rf dir ⇒ force remove directory dir \***
* **Three ways to create file by using below these commands**
* **touch⇒ creating new file (create or update file)**
* **Cat ⇒ creating new file (places standard input into the file)**
* **> filename.txt**

## 6 commands to view files in Linux

### **1. Cat**

### **2. nl**

### **3. Less**

### **4. Head**

### **5. Tail**

**6. more file**

* **mv**
* **cp file1 file2 ⇒ Copy file1 to file2**

|  |  |
| --- | --- |
| **Options** | **Description** |
| -b | This option will make the backup of all the contents of the file |
| -f | This option is used to forcly copied all the contents of the file from source to destination |
| -i | This option will confirm from you before copying the files by displaying a message |
| -n | It will not overwrite the file if any file is already present in the destination path |

* **ln -s file link ⇒ create a symbolic link to file**

**Permission Commands:**

* **chmod ⇒ modify file access rights**
* **su ⇒ temporarily become the superuser**
* **sudo ⇒ temporarily become the superuser**
* **chowm ⇒ change file ownership**
* **chgrp ⇒ change a file’s group ownership**

**System Info Commands :**

* **date ⇒  shows the current date and time**
* **cal ⇒  show this month’s calendar**
* **uptime ⇒  show current uptime**
* **w ⇒  display who is online**
* **whoami ⇒ who you are logged in as**
* **finger user ⇒  display information about user**
* **uname -a ⇒  show kernel information**
* **cat /proc/cpuinfo ⇒  cpu information**
* **cat /proc/meminfo ⇒  memory information**
* **man command ⇒  show the manual for command**
* **df ⇒  show disk usage**
* **du ⇒  show directory space usage**
* **free ⇒  show memory and swap usage**
* **whereis app ⇒  show possible locations of app**
* **which app ⇒  show which app will be run by default**

**Process Management Commands:**

* **ps ⇒ display your currently active processes**
* **top ⇒  display all running processes**
* **kill pid ⇒  kill process id pid**
* **killall proc ⇒  kill all processes named proc \***
* **bg ⇒  lists stopped or background jobs; resume a**  
  **stopped job in the background**
* **fg ⇒  brings the most recent job to foreground**
* **fg n ⇒  brings job n to the foreground**

**SSH Commands**

* **sshuser@host ⇒ connect to host as the user**
* **ssh -p port user@host ⇒  connect to host on port**  
  **port as user**
* **ssh-copy-id user@host ⇒  add your key to host for**  
  **user to enable a keyed or passwordlesslogin**

**Searching Commands**

* **grep pattern files ⇒  search for pattern in files**
* **grep -r pattern dir ⇒  search recursively for**  
  **pattern in dir**
* **command | grep pattern ⇒  search for pattern in the output of the command**
* **locate file ⇒  find all instances of file**

**Network Commands**

* **ping host ⇒  ping host and output results**
* **whois domain ⇒  get whoisinformation for domain**
* **dig domain ⇒  get DNS information for domain**
* **dig -x host ⇒  reverse lookup host**
* **wget file ⇒  download file**
* **wget -c file ⇒  continue a stopped download**

**Shortcuts Commands**

**♦ Ctrl+C ⇒** halts the current command  
**♦ Ctrl+Z ⇒** stops the current command, resume with  
fgin the foreground or bgin the background  
**♦ Ctrl+D ⇒** log out of current session, similar to exit  
**♦ Ctrl+W ⇒** erases one word in the current line  
**♦ Ctrl+U ⇒** erases the whole line  
**♦ Ctrl+R ⇒** type to bring up a recent command  
**♦ !! ⇒** repeats the last command  
**♦ exit ⇒** log out of current session